



NASA Procedural Requirements

NPR 8831.2E

Effective Date: November 18, 2008

Expiration Date: November 18, 2013

COMPLIANCE IS MANDATORY[Printable Format \(PDF\)](#)

Request Notification of Change

(NASA Only)

Subject: Facilities Maintenance and Operations Management**Responsible Office: Facilities Engineering and Real Property Division**

| [TOC](#) | [Preface](#) | [Chapter1](#) | [Chapter2](#) | [Chapter3](#) | [Chapter4](#) | [Chapter5](#) | [Chapter6](#) | [Chapter7](#) | [Chapter8](#) | [Chapter9](#) | [Chapter10](#) | [Chapter11](#) | [Chapter12](#) | [AppendixA](#) | [AppendixB](#) | [AppendixC](#) | [AppendixD](#) | [AppendixE](#) | [AppendixF](#) | [AppendixG](#) | [AppendixH](#) | [AppendixI](#) | [ALL](#) |

Appendix E. CMMS Sample Screens

E.1 Introduction

This appendix includes sample computer screens for various facilities maintenance functions that may be included in a Center's CMMS. These samples are from a commercially available system and are presented as a sample of some of the types of data-handling capability available.

E.2 Operating Locations

The sample screens in Figures D-1 and D-2 are from an operating location application that allows the operator to enter and track locations of equipment and organize these locations into logical hierarchies or network systems. Operating locations are the locations in which equipment operates. Work orders can then be written either against the location itself or against the equipment in the operating location. Using locations allows for tracking the equipment's life cycles (history) and provides the capability to track equipment's performance at specific sites.

E.3 Equipment

Figure E-3 is a sample screen from an equipment module that allows the operator to keep accurate and detailed records of each piece of equipment. Accurate historical data can be used to help make cost-effective replace or repair decisions. All equipment-related data is available, such as bill of material, preventive maintenance schedule, service contracts, safety procedures, measurement points, multiple meters, inspection routes, specification data (nameplate), equipment downtime, and related documents. This equipment data is used for managing day-to-day operations. The data can be used to develop additional management information, such as developing equipment downtime failure code hierarchies to use in maintenance management metrics.

Asset	JSC Equipment ID	Description	Location	Parent	Rotating Item
321298	EEW-9-10	EMERGENCY EYEWASH/SHOWER	J009SX		
J009NAGN	Null	GROUNDING SYSTEM	J009NV		
J009NAHA	Null	HVAC SYSTEM	J009NV		
J009NALD	Null	LIFTING DEVICES	J009NV		
J009NALP	Null	LIGHTNING PROTECTION SYSTEM	J009NV		
J009NALT	Null	LIGHTING SYSTEM (GENERAL)	J009NV		
J009NANV	Null	SITE ELECTRICAL 15KV DISTRIBUTION	J009NV		
J009NAPV	Null	POTABLE WATER	J009NV		
J009NARE	Null	REFRIGERATION SYSTEM	J009NV		
J009NARU	Null	DOORS AND BARRIERS	J009NV		
J009NASC	Null	STEAM AND CONDENSATE	J009NV		
J009NASD	Null	SECONDARY DISTRIBUTION EQUIPMENT	J009NV		
J009NASE	Null	FACILITY EXTERIOR SYSTEM	J009NV		
J009NASI	NULL	INTERCOM SYSTEM	J009NV		
J009NASIT	Null	FACILITY INTERIOR SYSTEM	J009NV		
J009NASN	Null	SANITARY SEWER	J009NV		
J009NASV	Null	STORM SEWER SYSTEM	J009NV		
J009NX	Null	JSC BLDG 009N, SYSTEMS INTEGRATION F...	J009NX		
J009NXCA	Null	COMPRESSED AIR	J009NX		
J009NXCL	Null	CHILLED WATER	J009NX		

Figure E-1. Sample Operating Locations Drilldown Screen

Figure E-2. Sample Operating Location Equipment History

Figure E-3. Sample Equipment Screen

E.4 Safety Plans

Figure E-4 shows the tag-out screen of the safety plan module of this example system. With the emphasis placed on safety in NASA, this module or similar capability is an important addition to the CMMS. This sample module provides the following capabilities:

- Manual or automatic safety plan numbering.
- Safety plans can be built ad hoc for special work or defined for reuse in the safety plans application.
- Track hazards for multiple equipment and locations.

- d. Multiple precautions can be associated to a hazard.
- e. Track hazardous materials for multiple equipment and locations.
- f. Once hazards and precautions are entered, convenient pop-up list in this sample system is available for reference and data entry.
- g. Track ratings for health, flammability, reactivity, contact, and material safety data sheet (MSDS) for hazardous materials.
- h. Define lockout/tag-out procedures.
- i. Define tag identifications for specific equipment and locations.
- j. Define safety plans for multiple equipment or locations.
- k. View link documents.
- l. Associate safety plans to job plans, to preventative maintenance masters, and to work orders.
- m. Safety plans are printed automatically on work orders.
- n. Flexible business rules allow tag-outs procedures to be associated to hazards or directly to locations, equipment, safety plans, or work orders.
- o. Copy existing safety plans to new safety plans.

Safety Plan	Description	Site
BIO HAZ	ADHERE TO AND IMPLEMENT CSCP-1029	JSC
CON SPAC	ADHERE TO AND IMPLEMENT CSCP-1012	JSC
CRYO HAN	ADHERE TO AND IMPLEMENT CSCP-1041	JSC
DEMO WOR	ADHERE TO AND IMPLEMENT CSCP-1039	JSC
E-HOT WK	ADHERE TO AND IMPLEMENT CSCP-1010	JSC
EXCAVAT	ADHERE TO AND IMPLEMENT CSCP-1014	JSC
FALL PRO	ADHERE TO AND IMPLEMENT CSCP-1016	JSC
FORKLIFT	ADHERE TO AND IMPLEMENT CSCP-1042	JSC
HAZ CHEM	ADHERE TO AND IMPLEMENT CSCP-1011	JSC
HAZ COMM	ADHERE TO AND IMPLEMENT CSCP-1013	JSC
HEARING	ADHERE TO AND IMPLEMENT CSCP-1035	JSC
JHA	ADHERE TO AND IMPLEMENT CSCP-1003	JSC
LADDER	ADHERE TO AND IMPLEMENT CSCP-1020	JSC
LIFTS	ADHERE TO AND IMPLEMENT CSCP-1037	JSC
LIGHTNING	ADHERE TO AND IMPLEMENT CSCP-1033	JSC
LOTO	ADHERE TO AND IMPLEMENT CSCP-1027	JSC
M-HOT WK	ADHERE TO AND IMPLEMENT CSCP-1040	JSC
PPE	ADHERE TO AND IMPLEMENT CSCP-1019	JSC
RESPERAT	ADHERE TO AND IMPLEMENT CSCP-1025	JSC
ROOF ENT	ADHERE TO AND IMPLEMENT CSCP-1038	JSC

Figure E-4. Sample Safety Plans Screen

E.5 Inventory Control

The inventory control application shown in Figure E-5 allows the operator to track inventory movement, such as move items in or out of inventory, or from one location to another. Stocked, nonstocked, and special order items can be tracked. The application, as shown in Figure E-5, also allows tracking item vendors, the locations where an item can be found, item cost information, and the substitute or alternate items that can be used if necessary.

E.6 Work Request

Figure E-6 is a sample work request screen that could be used by anyone at a Center to enter requests, such as trouble calls, or by work control to record requests. The easy-to-use data-entry screen was designed for minimal data entry. The work order number is assigned manually or automatically. A requester would enter minimal data, as shown on the sample, with work control entering additional information as required. Data is entered once, and pop-up tables in this system eliminate the need to memorize codes. This computer system could be used by a Center in their CMMS rather than the Trouble Call Ticket shown in Appendix C.

E.7 Work Order Tracking

The Sample Work Order Tracking Screen shown in Figure E-7 is the heart of a work order system. The data is entered once, and pop-up tables eliminate the need to memorize codes. This tracking system provides instant access to all of the information needed for detailed planning and scheduling, including work plan operations, labor, materials, tools, costs, equipment, blueprints, related documents, and failure analysis. Of course, this is dependent on how many modules have been installed and how much information has been entered in the system.

E.8 Work Management

- a. The Work Manager module in this example system lets the planner specify which labor to apply to specific work orders and when. It has two modes, dispatching and planning.
- b. In the planning mode shown in Figure E-8, labor assignments are planned for future shifts. Each person's calendar availability is considered when the assignments are made. The assignments are created sequentially over the shift, filling each person's daily schedule with priority work for the craft. It can even split larger jobs over multiple shifts automatically.
- c. In the dispatch mode shown in Figure E-9, labor assignments are carried out as soon as possible. The system in this example can even begin tracking labor time from the instant the assignment is made. The system operator can interrupt work already in progress to reassign labor resources to more crucial work.

Item	Description	Storeroom	Current Balance	Commodity Group	Rotating?	Kit?	ABC Type	Site
3030-DC-000-5163	V-BELT, BP106, 109" OUTER CIRCLE, DAY...	420-DD	0.00		N	N		JSC
3030-DC-528-4283	BELT V 29 OUTSIDE LENGTH, 4L290 OR 2290	325-CONSIGNMENT	0.00		N	N		JSC
3030-DC-528-4521	V-BELT, 5L350 OR 3350, 35" OUTER CIRCLE...	325-CONSIGNMENT	0.00		N	N		JSC
4130-DC-000-0025	FILTER, AC, 12 X 20 X 1 CB FRAME, FIBERG...	420-DD	12.00		N	N		JSC
4130-DC-000-0026	FILTER, AC, 12 X 24 X 1 CB FRAME, FIBERG...	325-CONSIGNMENT	0.00		N	N		JSC
4130-DC-000-0027	FILTER, AC, 12 X 24 X 2 CB FRAME, FIBERG...	325-CONSIGNMENT	0.00		N	N		JSC
4130-DC-000-0027	FILTER, AC, 12 X 24 X 2 CB FRAME, FIBERG...	420-DD	12.00		N	N		JSC
4130-DC-000-0028	FILTER PAD, AC, 12 X 24 X 2	420-DD	100.00		N	N		JSC
4130-DC-000-0029	FILTER, AC, 12 X 24 X 2 CB FRAME, PLEATED	325-CONSIGNMENT	0.00		N	N		JSC
4130-DC-000-0029	FILTER, AC, 12 X 24 X 2 CB FRAME, PLEATED	420-DD	50.00		N	N		JSC
4130-DC-000-0030	FILTER, AC, 12 X 25 X 2, CB FRAME, FIBERG...	325-CONSIGNMENT	0.00		N	N		JSC
4130-DC-000-0030	FILTER, AC, 12 X 25 X 2, CB FRAME, FIBERG...	420-DD	108.00		N	N		JSC
4130-DC-000-0031	FILTER PAD, AC 12 X 25 X 2	325-CONSIGNMENT	6.00		N	N		JSC
4130-DC-000-0031	FILTER PAD, AC 12 X 25 X 2	420-DD	66.00		N	N		JSC
4130-DC-000-0033	FILTER, AC, 14 X 24 X 2, CB FRAME, FIBERG...	325-CONSIGNMENT	0.00		N	N		JSC
4130-DC-000-0033	FILTER, AC, 14 X 24 X 2, CB FRAME, FIBERG...	420-DD	87.00		N	N		JSC
4130-DC-000-0034	FILTER, AC, 14 X 24 X 2", CB FRAME, PLEAT...	325-CONSIGNMENT	0.00		N	N		JSC
4130-DC-000-0034	FILTER, AC, 14 X 24 X 2", CB FRAME, PLEAT...	420-DD	108.00		N	N		JSC
4130-DC-000-0036	FILTER, AC, 14 X 38 X 1", CB FRAME, FIBER...	420-DD	96.00		N	N		JSC
4130-DC-000-0039	FILTER, AC, 15 X 30 X 2", CB FRAME, FIBER...	325-CONSIGNMENT	72.00		N	N		JSC

Figure E-5. Sample Inventory Control Screen

Work Order Tracking

Find: [] Select Action []

Work Order: 690193 | RESTORE POWER & LIGHTS TO RMS: 211, 21 | Work Type: CM | Attachments: []

Location: J004NX | JSC BLDG 004N, FLIGHT OPERATIONS FACILITY | GL Account: JCBS-01-01-02 | Asset Type: SYS

Asset: J004NXSD | SECONDARY DISTRIBUTION EQUIPMENT | Failure Class: ELECTRIC | PM Type: []

Parent WO: [] | Problem Code: [] | Status: COMP

JSC Equip ID: Null | System: SDE | Status Date: 8/29/07 6:27 PM

Classification: [] | System Type: E | SO Level: []

Description: [] | Extra EQ Loc: [] | DO TO #: []

Comments: []

Job Details

Job Plan: [] | SRT #: [] | Asset Up?: ☒ | Asset Loc Priority: 3

PM: [] | WAD #: [] | Warranties Exist?: ☐ | Priority: 1

Contract: [] | RFP #: [] | Jurisdiction: GP | Risk Assessment: YES

Ctrl Code: [] | Task Plan#: [] | Asset Org: JA | Interruptible?: ☐

Scheduling Information

Target Start: 8/29/07 12:00 AM | Actual Start: 8/29/07 2:00 AM | Originating Record: [] | Safety Plan: []

Target Finish: 8/30/07 12:00 AM | Actual Finish: 8/29/07 3:30 PM | Orig Record Class: [] | Safety Type: ELEC

Scheduled Start: 8/29/07 2:00 PM | Duration: 2:30 | Has Follow-up Work?: ☐ | Safety Ref #: []

Scheduled Finish: 8/29/07 3:30 PM | Time Remaining: 0:00 | Production Meters: [] | QA Ctrl: []

Responsibility

Reported By: FELICIENEJ | Supervisor: ARCHERBA | Owner: []

Reported Date: 8/29/07 12:49 PM | Crew: CREW1 | Owner Group: []

On Behalf Of: BRIDGESMELANE | Lead: ANDERSLJ | Service: []

Phone: 45423 | Work Group: ELEC 4 | Service Group: []

Deferral Code: [] | Vendor: [] | Site: JSC

Rework?: ☐ | Is Task?: ☐ | Class: WORKORDER

NASA Request?: ☐ | Inherit Status Changes?: ☒ | Accepts Charges?: ☒

Figure E-6. Sample Work Request Screen

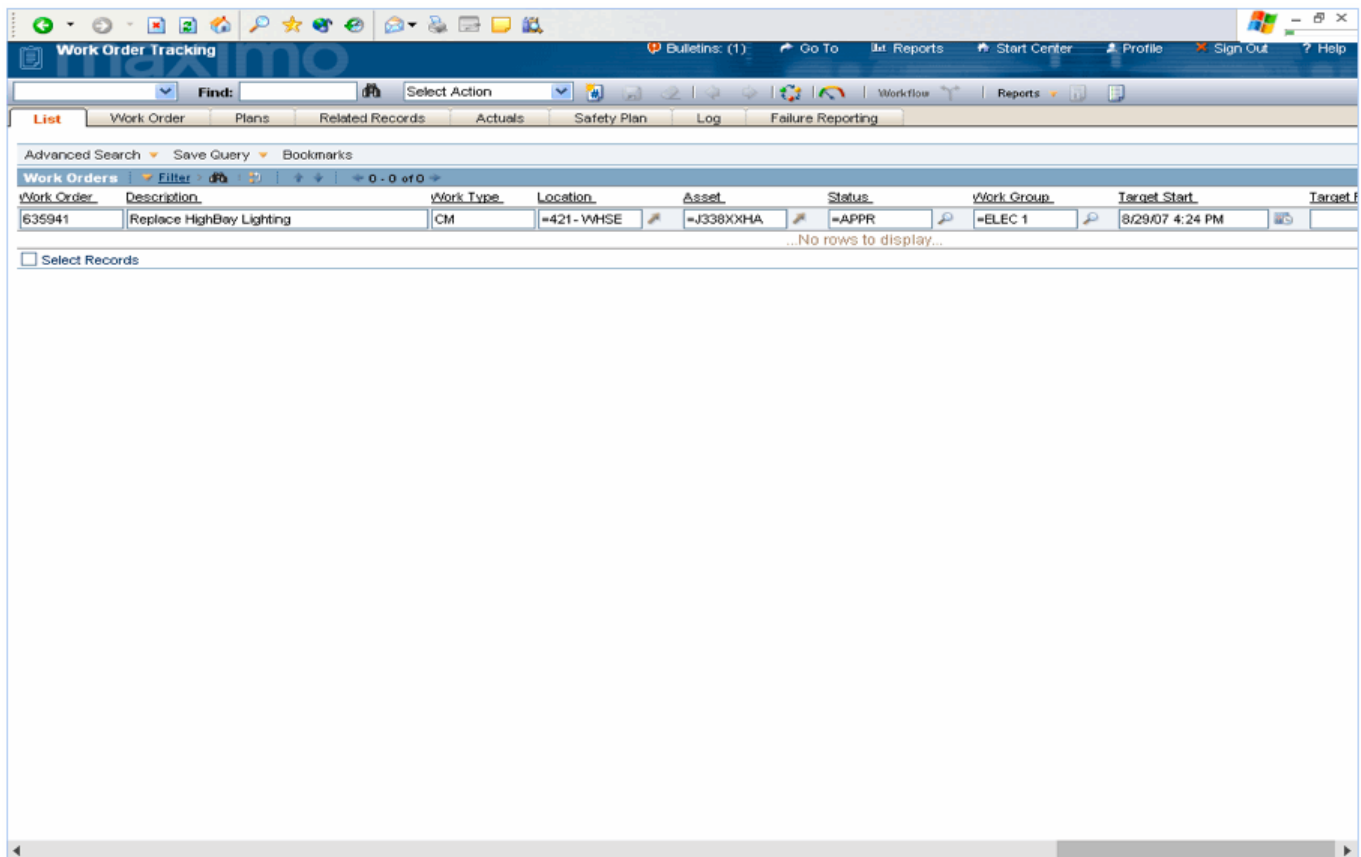


Figure E-7. Sample Work Order Tracking Screen

The screenshot shows the 'Work Order Tracking' application interface with a list of 23 work orders. The table columns are: Work Order, Description, Work Type, Location, Asset, Status, Work Group, Target Start, and Target End. The records are as follows:

Work Order	Description	Work Type	Location	Asset	Status	Work Group	Target Start	Target End
680330	Daily Environment Inspection of NOX & O2 S...	PM	J222XX	024775	WSCH	ENVIRO	8/31/07 12:00 AM	8/31/07
680331	Daily Environment Inspection of NOX & O2 S...	PM	J222XX	024774	WSCH	ENVIRO	8/31/07 12:00 AM	8/31/07
680332	Daily Environment Inspection of NOX & O2 S...	PM	J222XX	320248	WSCH	ENVIRO	8/31/07 12:00 AM	8/31/07
680333	Daily Environment Inspection of NOX & O2 S...	PM	J222XX	320570	WSCH	ENVIRO	8/31/07 12:00 AM	8/31/07
680466	DAILY FLUSH COLD & HOT POTABLE WATE...	PM	J998XX	J998XXPW	WSCH	OPER	8/31/07 12:00 AM	8/31/07
690184	JB07-3023 361/110 TO 421 TO 361/110	TRANS	J361XX		APPR	TRANS1	8/31/07 7:00 AM	8/31/07
690185	JB07-3042 420 TO 37/165	TRANS	J037XX		APPR	TRANS1	8/31/07 7:00 AM	8/31/07
690187	JB07-3040 420 TO 44/217	TRANS	J044XX		APPR	TRANS1	8/31/07 7:00 AM	8/31/07
690189	JB07-3008 361/103 TO 420	TRANS	J420XX		APPR	TRANS1	8/31/07 7:00 AM	8/31/07
690192	JB07-2954 17/159 TO 420	TRANS	J420XX		APPR	TRANS1	8/31/07 7:00 AM	8/31/07
690195	JB07-3028 12/269 TO 420	TRANS	J420XX		APPR	TRANS1	8/31/07 7:00 AM	8/31/07
690197	JB07-2979 31N/110 TO 346 TO 31N/110	SUP	J031XX		APPR	FREPAIR	8/31/07 7:00 AM	8/31/07
690199	JB07-2983 920N/1300F TO 336 TO 920N/13...	TRANS	S920NX		APPR	TRANS1	8/31/07 7:00 AM	8/31/07
690199A	JB07-2983 920N/1300F TO 336 TO 920N/13...	SUP	S920NX		APPR	FREPAIR	8/31/07 7:00 AM	8/31/07
690203	JB07-2966 348 TO 336 TO 4N/1022	TRANS	J004NX		APPR	TRANS1	8/31/07 7:00 AM	8/31/07
690203A	JB07-2966 348 TO 336 TO 4N/1022	SUP	J004NX		APPR	FREPAIR	8/31/07 7:00 AM	8/31/07
690206	JB07-3076 336 TO 4S/3724	TRANS	J004SX		APPR	TRANS1	8/31/07 7:00 AM	8/31/07
690206A	JB07-3076 336 TO 4S/3724	SUP	J004SX		APPR	FREPAIR	8/31/07 7:00 AM	8/31/07
690208	JB07-2978 16/109 TO 336 TO 16/109	TRANS	J016XX		APPR	TRANS1	8/31/07 7:00 AM	8/31/07
690208A	JB07-2978 16/109 TO 336 TO 16/109	SUP	J016XX		APPR	FREPAIR	8/31/07 7:00 AM	8/31/07

Below the table, it says '1 - 20 of 23' and there is a 'Select Records' checkbox.

Figure E-8. Sample Planning Screen

Figure E-8. Sample Planning Screen

E.9 Quick Reporting

Figure E-10 shows a sample Quick Reporting screen that provides a rapid and easy means for opening, reporting on, and closing work orders; reporting work on small jobs after the fact; and even creating work orders on the fly. Labor, materials, failure codes, completion date, and downtime can all be reported on this one screen.

E.10 Preventive Maintenance

Sample preventive maintenance screens are shown in Figures D-11 and D-12. The following capabilities provided in this sample system are listed to show how a CMMS can be utilized in managing a Center's PM program:

- Supports multiple criteria for generating PM work orders. If a PM master has both time-based and meter-based frequency information, the program uses whichever comes due first and then updates the other.
- Generates time-based PM work orders based on last generation or last completion date. Next due date and job plans are displayed.
- Permits and tracks PM extensions with adjustments to next due date.
- Triggers meter-based PMs by two separate meters.
- Prints sequence job plans upon request.
- Creates a PM against an item so that new parts have PMs automatically generated on purchase.
- Specifies the number of days ahead to generate work orders from PM masters that may not yet have met their frequency criteria.
- Consolidates weekly, monthly, and quarterly job plans on a single master.
- Assigns sequence numbers to job plans to tell the system which job plan to use when a PM work order is generated from a PM master.
- Permits overriding frequency criteria to generate PM work orders when required by plant conditions.
- Routes PMs with multiple equipment or locations.
- Generates work orders in batch or individually for only the equipment requested.
- Can be used with the system scheduler to forecast resources and budgets.

The screenshot displays the 'Work Order Tracking' application window. The interface includes a top navigation bar with options like 'Bullets: (1)', 'Go To', 'Reports', 'Start Center', 'Profile', 'Sign Out', and 'Help'. Below this is a search and filter section with a 'Find:' field and a 'Select Action' dropdown. A tabbed menu at the bottom of the header includes 'List', 'Work Order', 'Plans', 'Related Records', 'Actuals', 'Safety Plan', 'Log', and 'Failure Reporting'. The main content area shows a table of work orders with columns for Work Order, Description, Work Type, Location, Asset, Status, Work Group, Target Start, and Target End. The table contains 10 rows of data, all with a status of 'ASSIGNED' and a work group of 'ELEC 1'. A 'Select Records' checkbox is located at the bottom left of the table.

Work Order	Description	Work Type	Location	Asset	Status	Work Group	Target Start	Target End
633142	RPR-RPL FREQUENCY DRIVE FOR AH-1 BU...	CM	E276XX-10M1	025358	ASSIGNED	ELEC 1	12/28/06 8:08 AM	1/26/07
633545	RPR - CONDENSATE FLOW METER A & B, (...	CM	J024XX		ASSIGNED	ELEC 1	1/4/07 12:09 PM	2/5/07
637254	ANNUAL PM OF VARIABLE FREQUENCY DRI...	PM	J004SX-50M1	314142	ASSIGNED	ELEC 1	2/2/07 12:00 AM	3/30/07
647578A	RPR/RPL BEARING OR SQUIRREL CAGE RM ...	CM	J005SX	J005SXEXH	ASSIGNED	ELEC 1	3/8/07 7:00 AM	4/9/07
647628	RPR CHILL WATER DELTA PRESSURE INDIC...	CM	J016XX	J016XXCL	ASSIGNED	ELEC 1	3/8/07 11:16 AM	4/6/07
656422	INFO COMING FROM METASYS IS NOT UPD...	CM	J029XX	J029XXHA	ASSIGNED	ELEC 1	3/21/07 9:10 AM	4/20/07
656865	RPR CONTROL VALVE NOT CONTROLLING ...	CM	J016XX	311876	ASSIGNED	ELEC 1	3/26/07 7:00 AM	4/27/07
657288A	RPR COLD PROBLEM IN RM 110, (68 DEGRE...	CM	J029XX	J029XXHA	ASSIGNED	ELEC 1	3/28/07 12:58 PM	4/27/07
658227A	RPL THERMOSTAT (RM 878 TOO COLD - CH...	CM	J001XX	J001XXHA	ASSIGNED	ELEC 1	4/5/07 1:09 PM	4/30/07

Figure E-9. Sample Dispatch Screen

Quick Reporting								Bulletins: (1) Go To 1st Reports Start Center Profile Sign Out ? Help															
Find:		Select Action		Workflow		Reports																	
List		Quick Reporting																					
Advanced Search		Save Query		Bookmarks																			
Work Orders		Filter		Location		Asset		Status		Scheduled Start		Priority		Site									
Work Order		Description		Location		Asset		Status		Scheduled Start		Priority		Site									
679081	MONTHLY COOLING TOWER, FAN AND PUM...		S920DX	030226		SCHD		8/25/07 12:00 AM		3		JSC											
679082	MONTHLY COOLING TOWER, FAN AND PUM...		S920DX	030099		SCHD		8/25/07 12:00 AM		3		JSC											
679164	ANNUAL PM OF CRANE, MONORAIL 1 1/2 TON		S920DX	311631		SCHD		8/25/07 12:00 AM		3		JSC											
679053	MONTHLY PM PUMP, VIBRATION DATA COL...		J322XX	025810		SCHD		8/24/07 12:00 AM		3		JSC											
679054	MONTHLY PM PUMP, VIBRATION DATA COL...		J322XX	026880		SCHD		8/24/07 12:00 AM		3		JSC											
679055	MONTHLY PM PUMP, VIBRATION DATA COL...		J322XX	027042		SCHD		8/24/07 12:00 AM		3		JSC											
679056	MONTHLY PM PUMP, VIBRATION DATA COL...		J322XX	027244		SCHD		8/24/07 12:00 AM		3		JSC											
679057	MONTHLY PM PUMP, VIBRATION DATA COL...		J322XX	026613		SCHD		8/24/07 12:00 AM		3		JSC											
679273	ANNUAL PM FANS, INSPECTION		J024XX	009198		SCHD		8/24/07 12:00 AM		3		JSC											
679274	ANNUAL PM FANS, INSPECTION		J024XX	009200		SCHD		8/24/07 12:00 AM		3		JSC											
679275	ANNUAL PM FANS, INSPECTION		J024XX	009201		SCHD		8/24/07 12:00 AM		3		JSC											
679276	ANNUAL PM FANS, INSPECTION		J024XX	009199		SCHD		8/24/07 12:00 AM		3		JSC											
679277	ANNUAL PM FANS, INSPECTION		J024XX	009206		SCHD		8/24/07 12:00 AM		3		JSC											
679278	ANNUAL PM FANS, INSPECTION		J024XX	009205		SCHD																	

Figure E-10. Sample Quick Reporting Screen

Preventive Maintenance		Bullets: (1)		Go To	Reports	Start Center	Profile	Sign Out	Help
<div>Find: <input type="text"/></div> <div>Select Action <input type="text"/></div> <div>Reports</div>									
<div>List</div> <div>PM</div> <div>Frequency</div> <div>Seasonal Dates</div> <div>Job Plan Sequence</div> <div>PM Hierarchy</div>									
PM	<input type="text" value="10962"/>	<input type="text" value="SEMI ANNUAL PM CRANE AND HOIST INSPECT"/>		Site		<input type="text" value="JSC"/>		Status <input type="text" value="ACTIVE"/>	
Master PM	<input type="text"/>	<input type="text"/>		Override Updates from Master PM?		<input type="checkbox"/>		PM Type <input type="text" value="SA"/>	
								Attachments	
Details									
Asset	<input type="text" value="030200"/>	<input type="text" value="CRANE, JIB 2 TON , AIR POOL CL"/>		Asset Location		<input type="text" value="S920NX"/>		Counter <input type="text" value="15"/>	
Location	<input type="text"/>	<input type="text"/>		Lead Time (Days)		<input type="text" value="0"/>		Use Job Plan Sequences? <input type="checkbox"/>	
Route	<input type="text"/>	<input type="text"/>		Lead Time Active?		<input checked="" type="checkbox"/>		Has Children? <input type="checkbox"/>	
Work Order Information									
Job Plan	<input type="text" value="CRN001"/>	Description		<input type="text" value="ANNUAL PM CRANE AND HOIST INSPECTION"/>		Responsibility			
Work Type	<input type="text" value="PM"/>	Last Start Date		<input type="text" value="10/1/07"/>		Supervisor <input type="text"/>			
Work Order Status	<input type="text" value="WSCH"/>	Last Completion Date		<input type="text" value="4/20/07"/>		Crew <input type="text"/>			
Priority	<input type="text" value="3"/>	Earliest Next Due Date		<input type="text" value="4/1/08"/>		Lead <input type="text"/>			
Interruptible?	<input type="checkbox"/>					Work Group <input type="text" value="PTI-I"/>			
						Owner <input type="text"/>			
						Group Owner <input type="text"/>			
Resource Information									
GL Account	<input type="text" value="JCBS-01-01-02"/>	Use this PM to Trigger PM Hierarchy?				<input checked="" type="checkbox"/>			
Storeroom	<input type="text"/>	Child Work Orders and Tasks Will Inherit Status Changes?				<input type="checkbox"/>			
Storeroom Site	<input type="text"/>								

Figure E-11. Sample Preventive Maintenance Screen

The screenshot shows the MAXIMO Preventive Maintenance interface. The browser address bar displays <http://mxes.jsc.nasa.gov:7001/maximo/ui/maximo.jsp?event=loadapp&value=pm>. The page title is "MAXIMO - Preventive Maintenance". The navigation bar includes "Go To", "List", "Reports", "Start Center", "Profile", "Sign Out", and "Help". The main content area has tabs for "List", "PM", "Frequency", "Seasonal Dates", "Job Plan Sequence", and "PM Hierarchy". The "Frequency" tab is active, showing details for PM 00001002, labeled "SEMI ANNUAL PM OF AIR HANDLER", at Site JSC, with Status ACTIVE. The "Work Order Generation Information" section includes checkboxes for "Use Last WO's Start Information to Calculate Next Due Frequency?" (checked), "Generate WO Based on Meter Reading (Do Not Estimate)?" (unchecked), and "Generate WO When Meter Frequency is Reached?" (unchecked). The "Time Based Frequency" section is active, showing "Frequency" as 6 and "Frequency Units" as MONTHS. The "Alert Lead (Days)" is empty, "Extended Date" is empty, "Estimated Next Due Date" is 10/5/07, and "Adjust Next Due Date?" is unchecked. The "Seasonal Dates" tab is also visible, showing "SEMI ANNUAL Seasonal Dates" and "ALER".

Figure E-12. Sample Preventive Maintenance Frequency Folder (1 of 3)

The screenshot shows the MAXIMO Preventive Maintenance interface, specifically the "Seasonal Dates" tab. The browser address bar displays <http://mxes.jsc.nasa.gov:7001/maximo/ui/maximo.jsp?event=loadapp&value=pm>. The page title is "MAXIMO - Preventive Maintenance". The navigation bar includes "Go To", "List", "Reports", "Start Center", "Profile", "Sign Out", and "Help". The main content area has tabs for "List", "PM", "Frequency", "Seasonal Dates", "Job Plan Sequence", and "PM Hierarchy". The "Seasonal Dates" tab is active, showing details for PM 00001002, labeled "SEMI ANNUAL Seasonal Dates", at Site JSC, with Status ACTIVE. The "Active Days" section shows checkboxes for "Sunday?", "Monday?", "Tuesday?", "Wednesday?", "Thursday?", "Friday?", and "Saturday?", all of which are checked. The "Active Dates" section includes a "Filter" button, a "Download" button, and a "New Row" button. The "Start Month", "Start Day", "End Month", and "End Day" fields are empty. The message "...No rows to display..." is shown below the table.

Figure E-12. Sample Preventive Maintenance Frequency Folder (2 of 3)

MAXIMO - Preventive Maintenance

File Edit View Favorites Tools Help

Address <http://mxes.jsc.nasa.gov:7001/maximo/ui/maximo.jsp?event=loadapp&value=pm> Go Links

Preventive Maintenance Go To Reports Start Center Profile Sign Out ? Help

Find: Select Action Reports

List PM Frequency Seasonal Dates **Job Plan Sequence** PM Hierarchy

PM 00001002 SEMI ANNUAL PM OF AIR HANDLER Job Plan Sequence JSC Status ACTIVE

Location 003709 AIR HANDLER Storeroom Storeroom Site

Job Plan AHUM001 TRI ANNUAL PM AIR HANDLER UNIT, FILTER C

Job Plan Sequence Filter 1 - 1 of 1 Download ?

Job Plan	Description	Sequence
AHUM001	TRI ANNUAL PM AIR HANDLER UNIT, FILTER C	1

New Row

Done Trusted sites

Figure E-12. Sample Preventive Maintenance Frequency Folder (3 of 3)

| [TOC](#) | [Preface](#) | [Chapter1](#) | [Chapter2](#) | [Chapter3](#) | [Chapter4](#) | [Chapter5](#) | [Chapter6](#) | [Chapter7](#) | [Chapter8](#) | [Chapter9](#) | [Chapter10](#) | [Chapter11](#) | [Chapter12](#) | [AppendixA](#) | [AppendixB](#) | [AppendixC](#) | [AppendixD](#) | [AppendixE](#) | [AppendixF](#) | [AppendixG](#) | [AppendixH](#) | [AppendixI](#) | [ALL](#) |

| [NODIS Library](#) | [Program Management\(8000s\)](#) | [Search](#) |

DISTRIBUTION: **NODIS**

This Document Is Uncontrolled When Printed.

Check the NASA Online Directives Information System (NODIS) Library to Verify that this is the correct version before use: <http://nods3.gsfc.nasa.gov>